



STEM Careers

Geomorphologist

Job Description:

Geomorphologists study the surface features of a planet and the processes that created them. The landforms and landscapes they study may be as small as a landslide or as large as an entire planet! They work to figure the ways that landforms, regions, and planets are changed by climate, and by geologic processes such as the wearing away of rock by wind, water and ice, or chemicals. They study these changes over periods of time that range from days to millions, even billions, of years.

What do Geomorphologists do?

- Collecting data in the field, including rocks, dirt, and water.
- Use computer models to show change in an area.
- Write reports that include data collected.
- Locate natural gas and ore deposits or underground water resources using area maps and other data resources.
- Identify risks for mudslides, earthquakes, and volcanic eruptions.

Your Interests:

- Are you interested in volcanoes?
- Do you enjoy the open air and four-wheel-drive travel?
- Are you interested in what goes on inside the Earth?
- Would you like to visit countries around the world?
- Do you like camping?
- Do find it fun to play with maps and various devices?
- Do you enjoy solving mysteries?
- Do you like to collect rocks?

Outlook:

Average Salary - \$44.89, hourly,
\$93,380, annual

Projected Job Openings – 30,830
over the next 10 years

Education/Program of Study:

- Bachelor's Degree in Geology, Geochemistry, Geophysics or a related science.
- A strong background in math, science, and geography.
- Master's Degree or Ph.D. for advanced geology research
- Part-time fieldwork and lab work during college is highly recommended to gain field experience.

Sources:

http://quest.arc.nasa.gov/people/cfs/generic/geomorphologist_150.pdf

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